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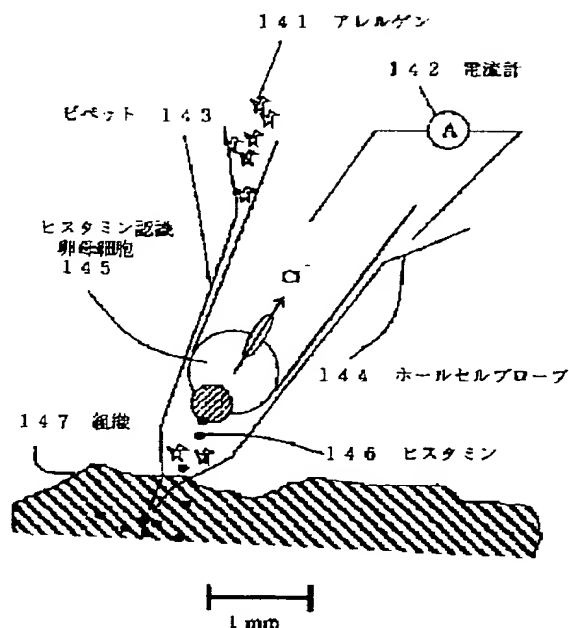
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APPLICANT : HITACHI LTD;

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TITLE : CELL PROBE, MEASUREMENT
SYSTEM AND PROBE FOR
EXAMINATION



ABSTRACT : PROBLEM TO BE SOLVED: To make a histamine receptor appear in an oocyte, to measure the response to histamine of the cell and to instantaneously inspect the allergy reaction of a fine area tissue specifically.

SOLUTION: A histamine recognition oocyte 145 where the histamine receptor is made to appear is fixed to the tip of a pipet 143. The pipet for injecting allergen 141 is put around the pipet further and it is turned to the whole cell probe 144 of an examination. The whole cell probe 144 is pierced to a tissue 147 (skin tissue for instance) to check the allergy reaction. The allergen 141 is injected, an obese cell inside the tissue is activated and the separated histamine 146 after the activation is detected by the histamine recognition oocyte 145. The outflow of chloride ions from the oocyte after the recognition of the histamine 146 is measured by an ammeter 142 and the allergy reaction is instantaneously and quantitatively checked.

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